

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-3. (canceled)

~~1.~~ (currently amended) Electro-optical apparatus comprising in accordance with
claim 2,

lens apparatus,

a CCD image sensor having a predetermined filter pattern of color-sensitive pixels,

a spectrally dispersive element between said lens apparatus and said CCD,

wherein said filter pattern is a Bayer filter pattern,

wherein color-sensitive pixels are arranged in contiguous groups with each group having at least a red pixel and a blue pixel and said spectrally dispersive element and said lens apparatus are constructed and arranged to focus a line image of an optical point upon a line of a group with the red end of the line within the red pixel of a group and the blue end of the line within the blue pixel of the group.

5-6. (canceled)

~~2.~~ (previously presented) Electro-optical apparatus comprising,
lens apparatus,

a CCD image sensor having a predetermined filter pattern of color-sensitive pixels,

and a spectrally dispersive element between said lens apparatus and said CCD wherein said color-sensitive pixels are arranged in groups with each group having a red pixel, a blue pixel and first and second green pixels that meet in a corner and said lens apparatus and said spectrally dispersive element are constructed and arranged to effectively create a new green pixel by averaging the first and second green pixels to establish red, green and blue color information centered on said point located substantially where said red, blue and first and second green pixels meet.

8. (canceled)

9. (canceled)